

Chromatocel (Alumina and Silica Gel)

Chromatography, Decolorizing, Batch Extractions and More

Description

Normal phase alumina and silica gel for use in liquid chromatography, batch extractions and decolorizations. Optimized particle size, surface area, pH, and purity make them particularly useful materials for separation of small molecules, peptides, lipids, alkaloids, acrylic monomers and a variety of other materials.

Applications

- Pharmaceuticals
- Nutraceuticals
- Phytochemicals
- High Purity Chemicals
- Inhibitor Removal

Chromatocel Product Line

- Aluminum Oxide (Alumina) Al_2O_3
 - pH: Acidic, Basic, Neutral
 - Surface area: 150 m^2/g , 200 m^2/g , or custom
 - Low Fine Content: < 5%
 - Superior batch to batch consistency
 - Excellent chemical and thermodynamic stability
- Silica gel (Silicon Dioxide) SiO_2
 - pH: Neutral
 - Surface Area: 450-600 m^2/g or custom
 - PSD: 230-400 mesh or custom
 - Cl: $\leq 0.02\%$
 - Fe: $\leq 0.02\%$

Chromatocel N-060 (Alumina: CAS# 1344-28-1)

pH Available	7
Surface Area	200 m^2/g
Particle Size Dist.	20 – 100 μm
Phase	Gamma

Chromatocel 150 Series (Alumina: CAS# 1344-28-1)

pH Available	4, 7, 10
Surface Area	150 m^2/g
Water Content	$\leq 0.3 \text{ wt}\%$
Particle Size Dist.	50 – 200 μm
Activity Grade	Grade I

Chromatocel 230 Series (Alumina: CAS# 1344-28-1)

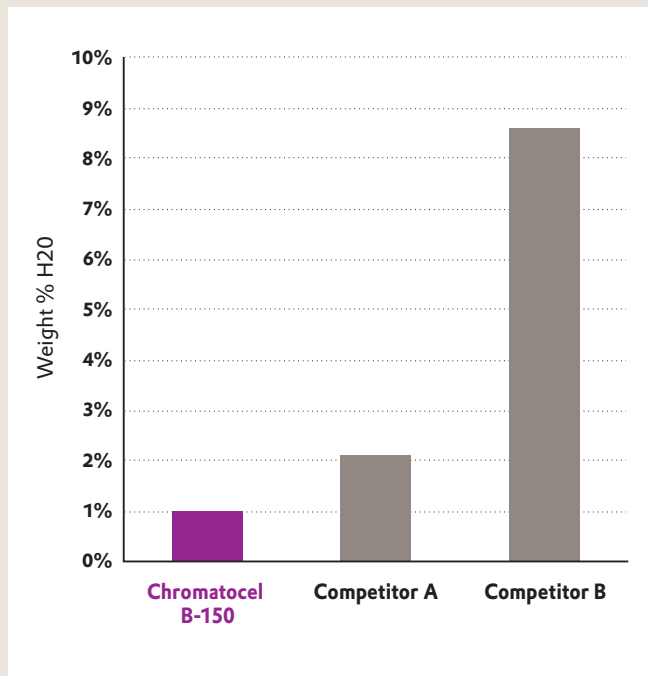
pH Available	4, 7, 10
Surface Area	150 m^2/g
Water Content	2.7 - 4.5 $\text{wt}\%$
Particle Size Dist.	50 – 200 μm
Activity Grade	Grades II-III

Chromatocel S-Series (Silica Gel: CAS# 112926-00-8)

pH Available	7
Surface Area	450 - 600 m^2/g
Water Content	$\leq 2.0 \text{ wt}\%$
Activity Grade	Grade I

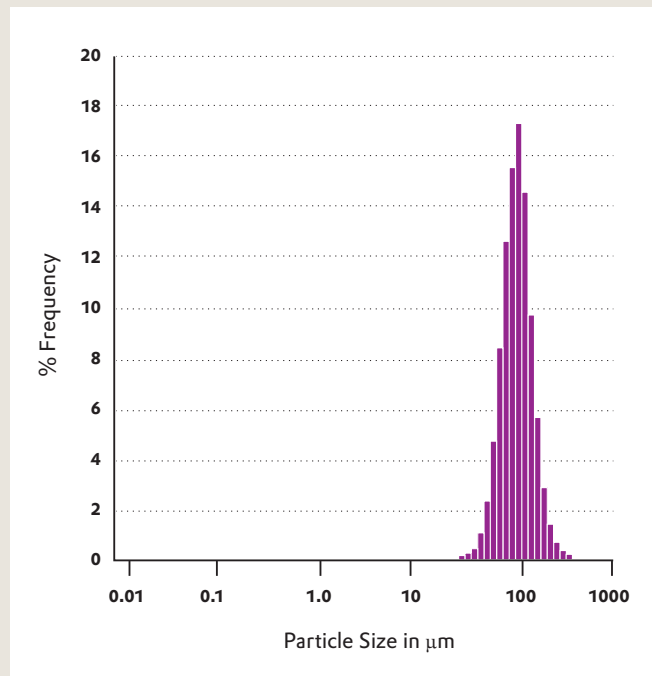


Activity Grade I Product Comparison



The moisture content of Chromatocel B-150 was compared to various activity grade I aluminas (moisture should normally be around 1%).

(PSD) Particle Size Distribution



Chromatocel 150 and 230 series aluminas have narrow particle size distributions (PSD). Narrow PSD help reduce back pressure, band tailing, and enhance the overall efficiency of chromatographic separations.

Disclaimer

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EVONIK OPERATIONS GMBH Business Line Catalysts

catalysts@evonik.com
www.evonik.com/catalysts
www.evonik.com

